



DJ-1/PARK7 Protein [Parkinsons Disease, Cancer and Oxidative Stress-Induced Diseases /

Ariga, Hiroyoshi,

ed. lit

Iguchi-Ariga, Sanae M. M,

ed. lit

Springer Singapore,

2017

Oncology

Biochemistry

Neurosciences

Cytology

Cancer Research

Biochemistry, general

Cell Biology

Monografía

This book reviews the functions and roles of DJ-1 in various oxidative stress-related diseases and applications of DJ-1 and its binding compounds to the diseases. The DJ-1 gene was first found to be a novel oncogene in 1997 and later, in 2003, also found to be a causative gene for a familial form of Parkinsons disease (PD), park7. The DJ-1 gene is therefore the first gene discovered that is known to cause cancer and neurodegenerative diseases, including PD. The research field has expanded as the research has developed. Thus this volume begins with a general introduction of DJ-1, and explains the history and research development to understand the following chapters. Those chapters present the roles of DJ-1 in various oxidative stress-related diseases such as neurodegenerative diseases, as well as cancer, diabetes, and fertility. Moreover, several chapters present evidence that DJ-1 is useful for therapeutic strategies against these diseases. The reader will discover that DJ-1 is a promising protein both for basic cell biology and for the mechanism and therapy for oxidative stress-related diseases. .

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhemF0ei5yZW4vMjI4MTk1NTI>

Título: DJ-1/PARK7 Protein [Recurso electrónico] Parkinsons Disease, Cancer and Oxidative Stress-Induced Diseases edited by Hiroyoshi Ariga, Sanae M. M. Iguchi-Ariga

Editorial: Singapore Springer Singapore Imprint: Springer 2017

Editorial: Singapore Springer Singapore 2017

Descripción física: VIII, 222 p. 78 il., 46 il. col

Mención de serie: Advances in Experimental Medicine and Biology 1037

Bibliografía: Includes bibliographical references at the end of each chapters

Contenido: Preface.-Chapter 1 Introduction/Overview -- Chapter 2 Structural Biology of the DJ-1 Superfamily -- Chapter 3 Expression of DJ-1 in patients with neurodegenerative diseases -- Chapter 4 DJ-1 as an oncogene and its clinical significance -- Chapter 5 Role of DJ-1 in fertilization -- Chapter 6 Anti-oxidative stress function of DJ-1 -- Chapter 7 Transcriptional regulation of DJ-1 -- Chapter 8 Regulation of Signal Transduction by DJ-1 -- Chapter 9 Protein repair by DJ-1 from glycation by glyoxal and methylglyoxal -- Chapter 10 DJ-1 as a biomarker of Parkinson's disease -- Chapter 11 Roles of DJ-1 in diabetes mellitus -- Chapter 12 Therapeutic activities of DJ-1 and its binding compounds against neurodegenerative diseases -- Chapter 13 DJ-1 as an oncogene and promising target for cancer chemotherapy. .

ISBN: 9789811065835 9789811065828 9789811065842 9789811349089

Materia: Oncology Biochemistry Neurosciences Cytology Cancer Research Biochemistry, general Neurosciences Cell Biology

Autores: Ariga, Hiroyoshi, ed. lit Iguchi-Ariga, Sanae M. M, ed. lit

Enlace a formato físico adicional: 981-10-6582-9

Punto acceso adicional serie-Título: Advances in Experimental Medicine and Biology 1037

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es